

Systemic delivery of parathyroid hormone to a mammalian host is accomplished by inhalation through the mouth of a dispersion of an N-terminal fragment of PTH. It has been found that such respiratory delivery of the PTH fragment provides a pulsatile concentration profile of the PTH in the host's serum. PTH fragment compositions include dry powder formulations having the PTH present in a dry bulking powder, liquid solutions or suspensions suitable for nebulization, and aerosol propellants suitable for use in a metered dose inhaler.

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